MAGNETIC STRIPE TIMING TRACK USED TO ELIMINATE OPTICAL ENCODER

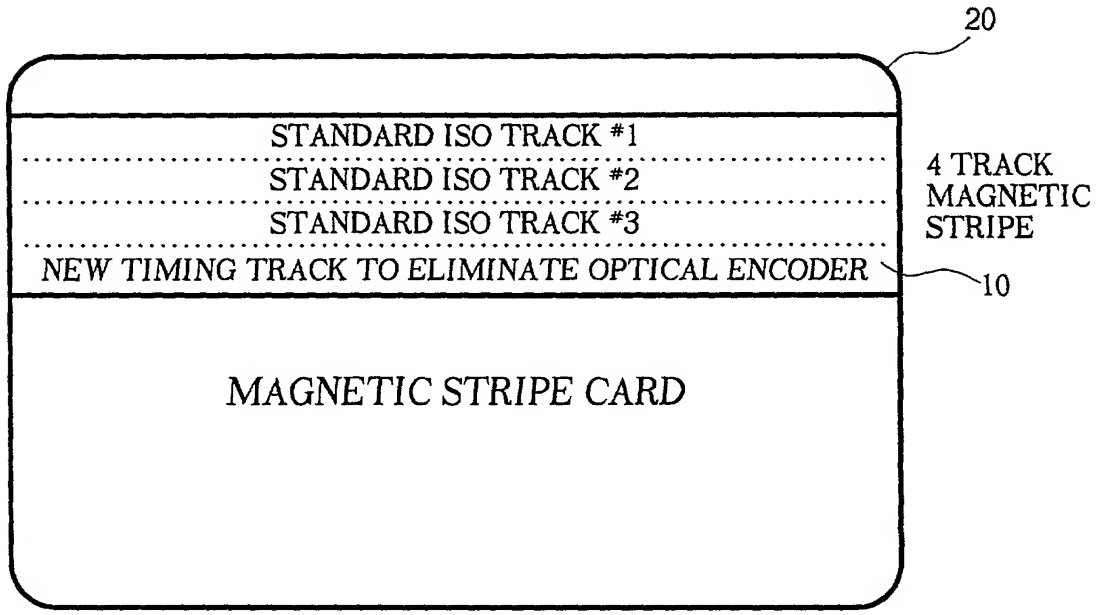


FIG. 1

▲ 0.223" ▼	RECORDING DENSITY (bits per inch)	CHARACTER CONFIGURATION (including parity bit)	INFORMATION CONTENT (including control characters)
0.110" TRACK 1 IATA	210 BPI	7 BITS PER CHARACTER	79 ALPHANUMERIC CHARACTERS
0.110" TRACK 2 ABA	75 BPI	5 BITS PER CHARACTER	40 NUMERIC CHARACTERS
0.110" TRACK 3 THRIFT	210 BPI	5 BITS PER CHARACTER	107 NUMERIC CHARACTERS

FIG. 2

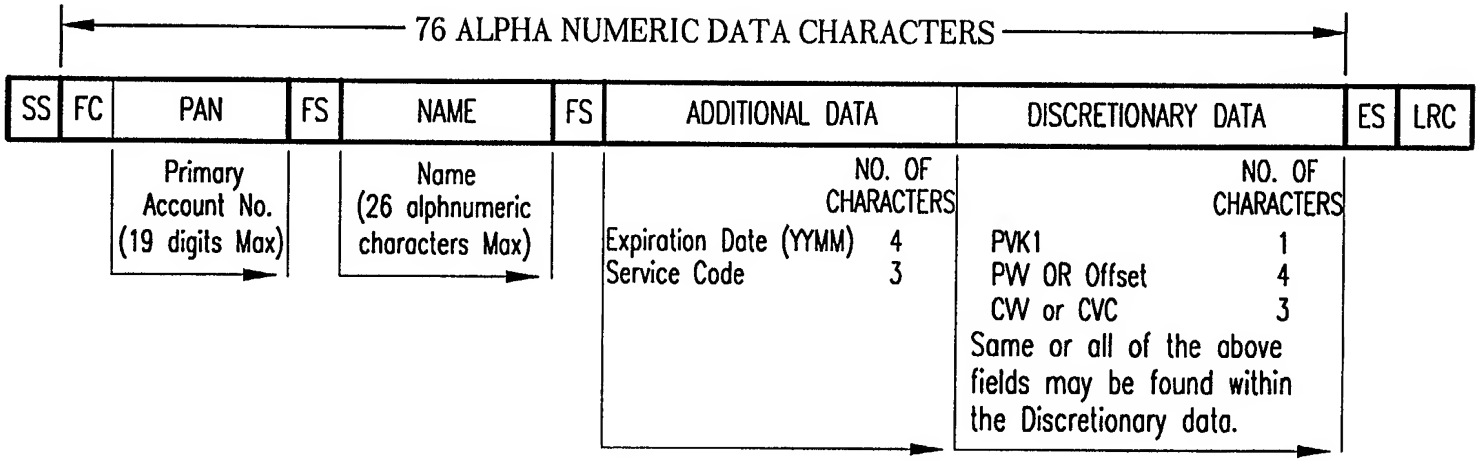


FIG. 3

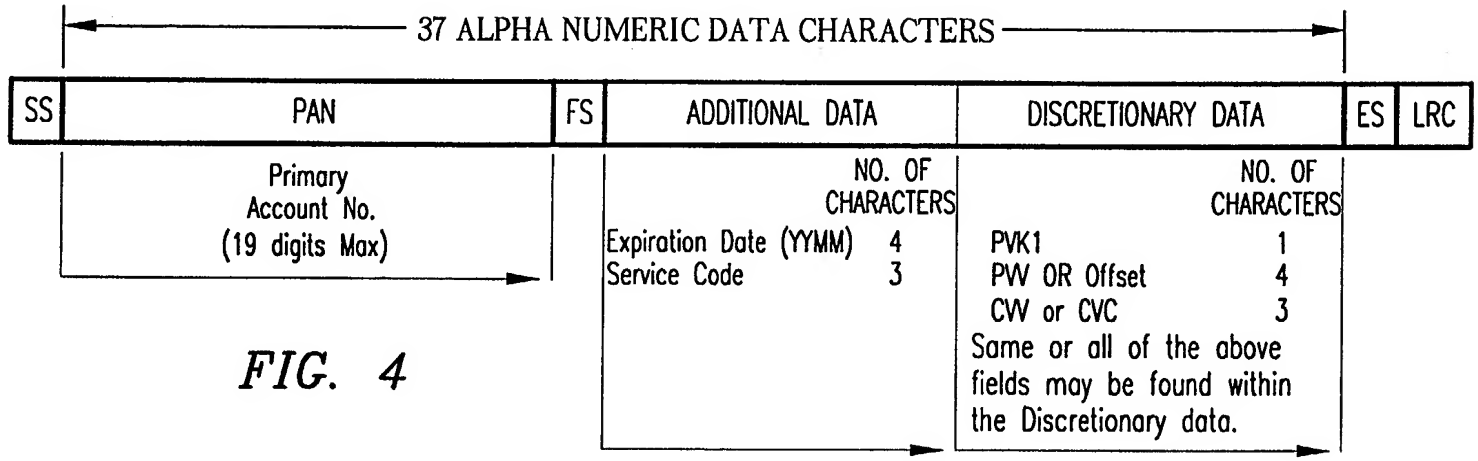

37 ALPHA NUMERIC DATA CHARACTERS
SS
PAN
FS
ADDITIONAL DATA
DISCRETIONARY DATA
ES
LRC
Primary Account No. (19 digits Max)
NO. OF CHARACTERS
Expiration Date (YYMM) 4
Service Code 3
NO. OF CHARACTERS
PVK1 1
PW OR Offset 4
CW or CVC 3
Same or all of the above fields may be found within the Discretionary data.

FIG. 4

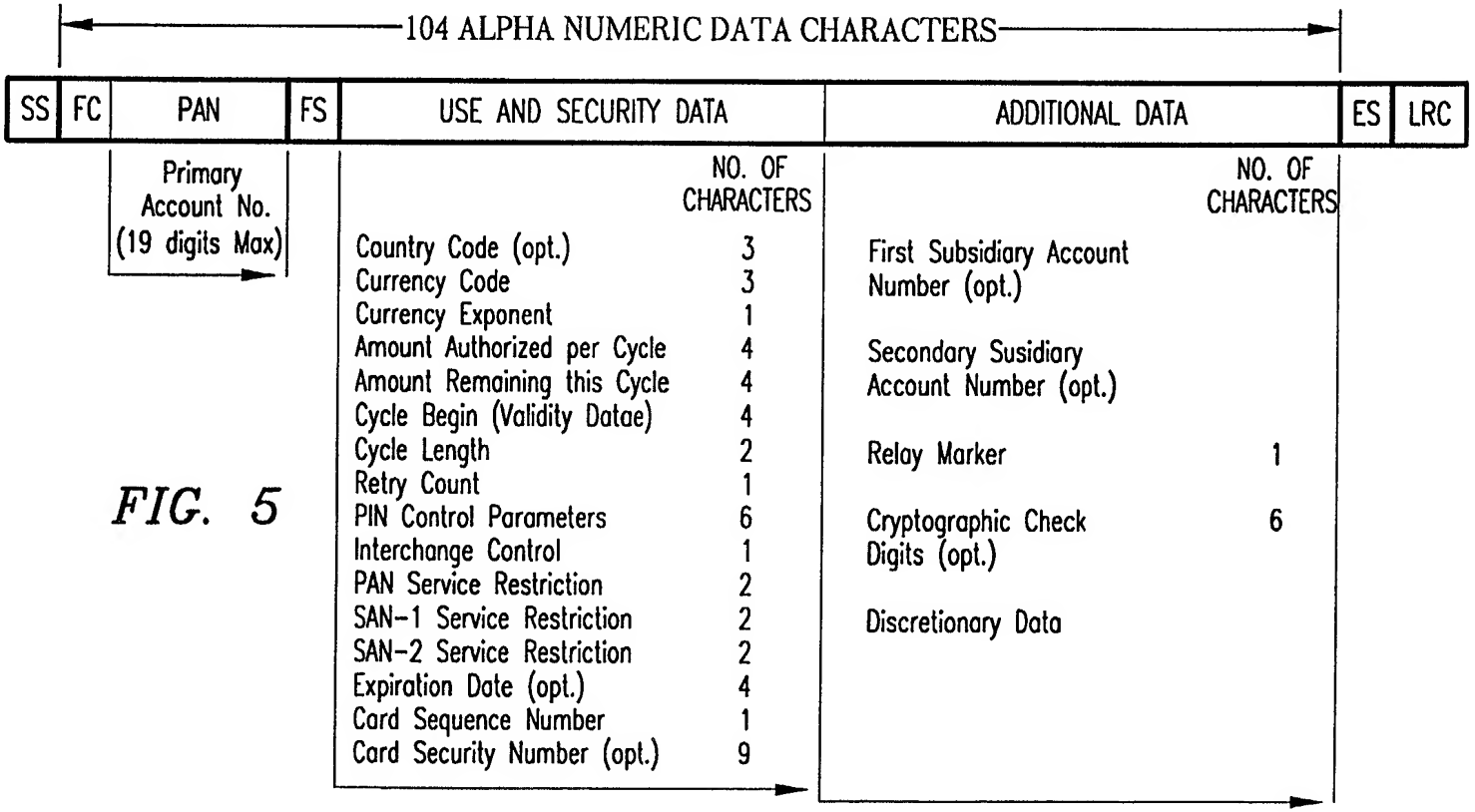
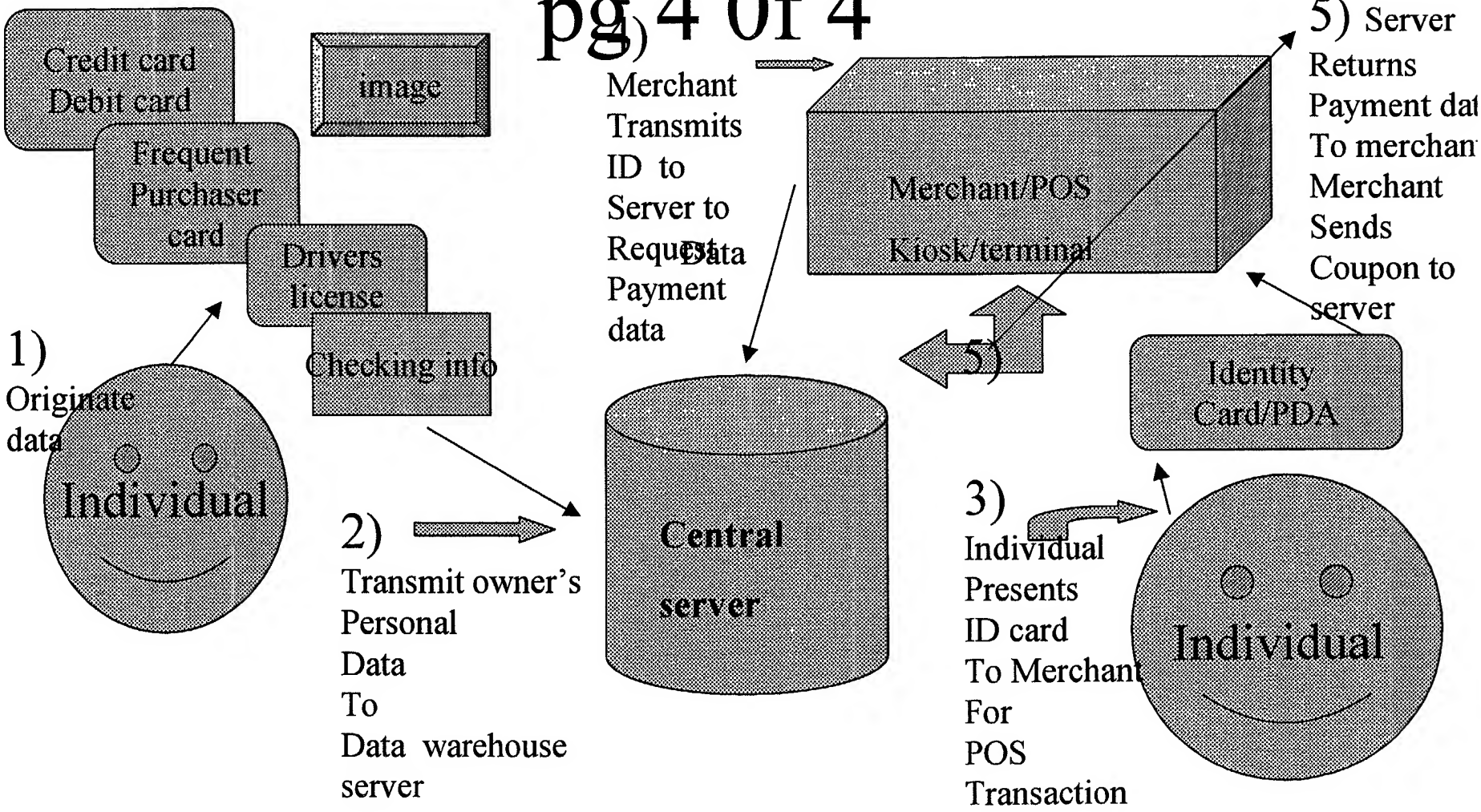

104 ALPHA NUMERIC DATA CHARACTERS
SS
FC
PAN
FS
USE AND SECURITY DATA
ADDITIONAL DATA
ES
LRC
Primary Account No. (19 digits Max)
NO. OF CHARACTERS
Country Code (opt.) 3
Currency Code 3
Currency Exponent 1
Amount Authorized per Cycle 4
Amount Remaining this Cycle 4
Cycle Begin (Validity Datae) 4
Cycle Length 2
Retry Count 1
PIN Control Parameters 6
Interchange Control 1
PAN Service Restriction 2
SAN-1 Service Restriction 2
SAN-2 Service Restriction 2
Expiration Date (opt.) 4
Card Sequence Number 1
Card Security Number (opt.) 9
NO. OF CHARACTERS
First Subsidiary Account Number (opt.)
Secondary Susidiary Account Number (opt.)
Relay Marker 1
Cryptographic Check Digits (opt.) 6
Discretionary Data

FIG. 5

FIG. 4

TRANSACTION FLOWCHART

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